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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10695400
Filing Date	2003-10-27
First Named Inventor	Fitzgerald
Art Unit	1743
Examiner Name	Jyoti Nagpaul
Attorney Docket Number	02-027

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/J.N./	1	6537506		2003-03-25	Schwalbe et al.	
	2	6508862		2003-01-21	Tonkovich et al.	
	3	6637463		2003-10-28	Lei et al.	
	4	7190580		2007-03-13	Bezama et al.	
	5	6293338		2001-09-25	Chapman et al.	
	6	5544700		1996-08-13	Shagoury	
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/J.N./	9	4401155		1983-08-30	Royal et al.	
	10	4343354		1982-08-10	Weber	
	11	4041591		1977-08-16	Noll et al.	
	12	5915469		1999-06-29	Abramzon et al.	
	13	6098706		2000-08-08	Urch	
	14	4282927		1981-08-11	Simmons	
↓	15	5000253		1991-03-19	Komarnicki	
/J.N./	16	6244333		2001-06-12	Bergh et al.	

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**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/J.N./	1	20020031471		2002-06-10	Tonkovich et al.	

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/J.N./	2	20040104010		2004-06-03	Kenny et al.	
	3	20030027354		2003-02-06	Geli	
	4	20020125001		2002-09-12	Kelly et al.	
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/J.N./	13	20060275185	A1	2006-12-07	Fitzgerald et al.	
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**FOREIGN PATENT DOCUMENTS**

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/J.N./	1	Pan et al., "Optimal Design of Complex Manifold Geometries for Uniform Flow Distribution Between Microchannels," Chem. Eng. J. pp. 1-26 (2007).	<input type="checkbox"/>

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Examiner Signature	/Jyoti Nagpaul/	Date Considered	10/09/2007
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 <b>Form PTO-1449</b> <b>Information Disclosure Citation</b>				Attorney Docket 02-027		Application No. 10/695,400	
				Applicant Fitzgerald et al.			
				Filing Date Oct 27, 2003		Group Art Unit 1743	


  

U.S. Patent Documents							
Examiner Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA						

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		Document Number	Date	Country	Class	Sub-Class	Trans-lation
/J.N./	AF	DE 10148926A1	4/17/2003	Germany			
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	AH	EP 1038575	9/27/2000	Europe			
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/J.N./	AN	WO 03/043730	5/30/03	PCT			

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
/J.N./	AR	PCT Search Report from PCT/US2006/012849 mailed Aug 22, 2006 including Written Opinion of the International Searching Authority
	AS	Amador et al., "Flow Distribution in different microreactor scale-out geometries and the effect of manufacturing tolerances and channel blockage," Chem. Eng. Journal, 101, pp379-390, 2004.
	AT	PCT International Preliminary Report on Patentability from PCT/US2004/035601
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/J.N./	AV	Zhao et al., "Microchannel Heat Exchangers with Carbon Dioxide," pp. 1-103 (2001).

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U.S. Patent Documents							
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	AA						

Foreign Patent Documents							
		Document Number	Date	Country	Class	Sub-Class	Translation
	AF						
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Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)		
/J.N./	AH	Mas et al., "Scalable Microfabricated Multiphase reactors for Direct Fluorination Reactions," Transducers '03, 655-658 (2003).
	AI	Commenge et al., "Optimal Design for Flow Uniformity in Microchannel Reactors," AIChE Journal, 345-358 (Feb. 2002).
	AJ	Rebrov et al., "Header Design for Flow Equalization in Microstructured Reactors," AIChE Journal, 28-38 (2007).
	AR	Griffini et al., "Effect of Microchannel Plate Design on Fluid Flow Uniformity at Low Flow Rates," Chem. Eng. Technol. 395-406 (2007).
	AS	Bergles et al., "On the Nature of Critical Heat Flux in microchannels," J. Heat Transfer, 101-107 (Jan 2005).
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/J.N./	AV	Jousse et al., "Compact model for multiphase liquid-liquid flows in microfluidic devices," Lab on a Chip, 646-656 (2005).

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